

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A pharmaceutical composition consisting essentially of FSH and hCG in at least one pharmaceutically acceptable carrier, wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG **in said composition** is conducive, upon administration of said composition, to folliculogenesis and follicular maturation without ovarian hyperstimulation.
2. (Original) The composition of claim 1 free from any other proteins of mammal origin.
3. (Currently Amended) The composition of claim 1 wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG is selected from the group consisting of: 50 IU FSH $[[:]]$ **and** 1 IU hCG, 50 IU FSH $[[:]]$ **and** 5 IU hCG, 50 IU FSH $[[:]]$ **and** 10 IU hCG, 50 IU FSH $[[:]]$ **and** 25 IU hCG, 50 IU FSH $[[:]]$ **and** 75 IU hCG, 50 IU FSH $[[:]]$ **and** 100 IU hCG, 50 IU FSH $[[:]]$ **and** 200 IU hCG, 50 IU FSH $[[:]]$ **and** 300 IU hCG, 50 IU FSH $[[:]]$ **and** 400 IU hCG, 75 IU FSH $[[:]]$ **and** 1 IU hCG, 75 IU FSH $[[:]]$ **and** 5 IU hCG, 75 IU FSH $[[:]]$ **and** 10 IU hCG, 75 IU FSH $[[:]]$ **and** 25 IU hCG, 75 IU FSH $[[:]]$ **and** 50 IU hCG, 75 IU FSH $[[:]]$ **and** 75 IU hCG, 75 IU FSH $[[:]]$ **and** 100 IU hCG, 75 IU FSH $[[:]]$ **and** 200 IU hCG, 75 IU FSH $[[:]]$ **and** 300 IU hCG, 75 IU FSH $[[:]]$ **and** 400 IU hCG, 100 IU FSH $[[:]]$ **and** 1 IU hCG, 100 IU FSH $[[:]]$ **and** 5 IU hCG, 100 IU FSH $[[:]]$ **and** 10 IU hCG, 100 IU FSH $[[:]]$ **and** 25 IU hCG, 100 IU FSH $[[:]]$ **and** 50 IU hCG, 100 IU FSH $[[:]]$ **and** 75 IU hCG, 100 IU FSH $[[:]]$ **and** 100 IU hCG, 100 IU FSH $[[:]]$ **and** 200 IU hCG, 100 IU FSH $[[:]]$ **and** 300 IU hCG, 100 IU FSH $[[:]]$ **and** 400 IU hCG, 150 IU FSH $[[:]]$ **and** 1 IU hCG, 150 IU FSH $[[:]]$ **and** 5 IU hCG, 150 IU FSH $[[:]]$ **and** 10 IU hCG, 150 IU FSH $[[:]]$ **and** 25 IU hCG, 150 IU FSH $[[:]]$ **and** 100 IU hCG, 150 IU FSH $[[:]]$ **and** 200 IU hCG, 150 IU FSH $[[:]]$ **and** 300 IU hCG, 150 IU FSH $[[:]]$ **and** 400 IU hCG, 200 IU FSH $[[:]]$ **and** 1 IU hCG, 200 IU FSH $[[:]]$ **and** 5 IU hCG, 200 IU FSH $[[:]]$ **and** 10 IU hCG, 200 IU FSH $[[:]]$ **and** 25 IU hCG, 200 IU FSH $[[:]]$ **and** 50 IU hCG, 200 IU FSH $[[:]]$ **and** 75 IU hCG, 200 IU FSH $[[:]]$ **and** 100 IU hCG, 200 IU FSH $[[:]]$ **and** 200 IU hCG, 200 IU FSH $[[:]]$ **and** 300 IU hCG, and 200 IU FSH $[[:]]$ **and** 400 IU hCG.

4. (Currently Amended) The composition of claim 3 wherein the [[ratio]] amount of FSH [[to]] and hCG is selected from the group consisting of: 50 IU FSH_[:] and 1 IU hCG, 50 IU FSH_[:] and 5 IU hCG, 50 IU FSH_[:] and 10 IU hCG, 50 IU FSH_[:] and 25 IU hCG, 50 IU FSH_[:] and 75 IU hCG, 50 IU FSH_[:] and 100 IU hCG, 50 IU FSH_[:] and 200 IU hCG, 50 IU FSH_[:] and 300 IU hCG, 50 IU FSH_[:] and 400 IU hCG, 75 IU FSH_[:] and 1 IU hCG, 75 IU FSH_[:] and 5 IU hCG, 75 IU FSH_[:] and 10 IU hCG, 75 IU FSH_[:] and 50 IU hCG, 75 IU FSH_[:] and 100 IU hCG, 75 IU FSH_[:] and 200 IU hCG, 75 IU FSH_[:] and 300 IU hCG, 75 IU FSH_[:] and 400 IU hCG, 100 IU FSH_[:] and 1 IU hCG, 100 IU FSH_[:] and 5 IU hCG, 100 IU FSH_[:] and 10 IU hCG, 100 IU FSH_[:] and 25 IU hCG, 100 IU FSH_[:] and 50 IU hCG, 100 IU FSH_[:] and 75 IU hCG, 100 IU FSH_[:] and 100 IU hCG, 100 IU FSH_[:] and 200 IU hCG, 100 IU FSH_[:] and 300 IU hCG, 100 IU FSH_[:] and 400 IU hCG, 150 IU FSH_[:] and 1 IU hCG, 150 IU FSH_[:] and 5 IU hCG, 150 IU FSH_[:] and 10 IU hCG, 150 IU FSH_[:] and 25 IU hCG, 150 IU FSH_[:] and 100 IU hCG, 150 IU FSH_[:] and 200 IU hCG, 150 IU FSH_[:] and 300 IU hCG, 150 IU FSH_[:] and 400 IU hCG, 200 IU FSH_[:] and 1 IU hCG, 200 IU FSH_[:] and 5 IU hCG, 200 IU FSH_[:] and 10 IU hCG, 200 IU FSH_[:] and 25 IU hCG, 200 IU FSH_[:] and 50 IU hCG, 200 IU FSH_[:] and 75 IU hCG, 200 IU FSH_[:] and 100 IU hCG, 200 IU FSH_[:] and 200 IU hCG, 200 IU FSH_[:] and 300 IU hCG, and 200 IU FSH_[:] and 400 IU hCG.

5. (Currently Amended) The pharmaceutical composition of claim 3 wherein the [[ratio]] amount of FSH [[to]] and hCG is selected from the group consisting of: 50 IU FSH_[:] and 1 IU hCG, 50 IU FSH_[:] and 5 IU hCG, 50 IU FSH_[:] and 10 IU hCG, 50 IU FSH_[:] and 25 IU hCG, 75 IU FSH_[:] and 1 IU hCG, 75 IU FSH_[:] and 5 IU hCG, 75 IU FSH_[:] and 10 IU hCG, 75 IU FSH_[:] and 50 IU hCG, 75 IU FSH_[:] and 100 IU hCG, 100 IU FSH_[:] and 1 IU hCG, 100 IU FSH_[:] and 5 IU hCG, 100 IU FSH_[:] and 10 IU hCG, 100 IU FSH_[:] and 25 IU hCG, 100 IU FSH_[:] and 50 IU hCG, 100 IU FSH_[:] and 75 IU hCG, 100 IU FSH_[:] and 100 IU hCG, 150 IU FSH_[:] and 1 IU hCG, 150 IU FSH_[:] and 5 IU hCG, 150 IU FSH_[:] and 10 IU hCG, 150 IU FSH_[:] and 25 IU hCG, 150 IU FSH_[:] and 100 IU hCG, 150 IU FSH_[:] and 200 IU hCG, 200 IU FSH_[:] and 1 IU hCG, 200 IU FSH_[:] and 5 IU hCG, 200 IU FSH_[:] and 10 IU hCG, 200 IU

FSH **and** 25 IU hCG, 200 IU FSH **and** 50 IU hCG, 200 IU FSH **and** 75 IU hCG, 200 IU FSH **and** 100 IU hCG, **and** 200 IU FSH **and** 200 IU hCG.

6. (Currently Amended) The pharmaceutical composition of claim 3 wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG is selected from the group consisting of: 50 IU FSH **and** 75 IU hCG, 50 IU FSH **and** 100 IU hCG, 50 IU FSH **and** 200 IU hCG, 50 IU FSH **and** 300 IU hCG, 50 IU FSH **and** 400 IU hCG, 75 IU FSH **and** 200 IU hCG, 75 IU FSH **and** 300 IU hCG, 75 IU FSH **and** 400 IU hCG, 100 IU FSH **and** 200 IU hCG, 100 IU FSH **and** 300 IU hCG, 100 IU FSH **and** 400 IU hCG, 150 IU FSH **and** 300 IU hCG, 150 IU FSH **and** 400 IU hCG, 200 IU FSH **and** 300 IU hCG, **and** 200 IU FSH **and** 400 IU hCG.

7. (Currently Amended) The pharmaceutical composition of claim 3 wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG is selected from the group consisting of: 50 IU FSH **and** 100 IU hCG, 50 IU FSH **and** 200 IU hCG, and 50 IU FSH **and** 400 IU hCG.

8. (Currently Amended) The pharmaceutical composition of claim 7, wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG is 50 IU FSH **and** 100 IU hCG.

9. (Currently Amended) The pharmaceutical composition of claim 3 wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG is selected from the group consisting of: 100 IU FSH **and** 100 IU hCG, 100 IU FSH **and** 200 IU hCG, and 100 IU FSH **and** 400 IU hCG.

10. (Currently Amended) The pharmaceutical composition of claim 3 wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG is selected from the group consisting of: 100 IU FSH **and** 5 IU hCG, 100 IU FSH **and** 10 IU hCG, and 100 IU FSH **and** 25 IU hCG.

11. (Original) The pharmaceutical composition according to claim 1, wherein said FSH is human-derived FSH.

12. (Original) The pharmaceutical composition according to claim 1, in lyophilized form.

13. (Original) The pharmaceutical composition according to claim 1, in unit dosage form.
14. (Original) The pharmaceutical composition according to claim 13, in solid dosage form.
15. (Original) The pharmaceutical composition according to claim 14, wherein the solid dosage form is selected from the group consisting of capsules, tablets, suppositories, pills, powders, and granules.
16. (Original) The pharmaceutical composition according to claim 1 in liquid form.
17. (Original) The pharmaceutical composition according to claim 16 wherein the liquid form is supplied in a vial.
18. (Original) The pharmaceutical composition according to claim 16 wherein the liquid form is supplied in a pre-filled syringe or cartridge.
19. (Original) An assemblage comprising a first vial and a second vial, each of said vials containing a pharmaceutical composition according to claim 1, wherein the ratio of FSH to hCG differs between the first vial and the second vial.
20. (Original) The assemblage according to claim 19 further comprising written instructions on the timing for administering the compositions contained in the first and second vials.
21. (Withdrawn-Currently Amended) A method of inducing ovulation, comprising:
 - (A) administering at least one pharmaceutical composition characterized by ~~a ratio~~ an amount of FSH ~~[[to]]~~ and hCG that is selected from the group consisting of: 50 IU FSH~~[[:]]~~ and 1 IU hCG, 50 IU FSH~~[[:]]~~ and 5 IU hCG, 50 IU FSH~~[[:]]~~ and 10 IU hCG, 50 IU FSH~~[[:]]~~ and 25 IU hCG, 50 IU FSH~~[[:]]~~ and 75 IU hCG, 50 IU FSH~~[[:]]~~ and 100 IU hCG, 50 IU FSH~~[[:]]~~ and 200 IU hCG, 50 IU FSH~~[[:]]~~ and 300 IU hCG, 50 IU FSH~~[[:]]~~ and 400 IU hCG, 75 IU FSH~~[[:]]~~ and 1 IU hCG, 75 IU FSH~~[[:]]~~ and 5 IU hCG, 75 IU FSH~~[[:]]~~ and 10 IU hCG, 75 IU FSH~~[[:]]~~ and 25 IU hCG, 75 IU FSH~~[[:]]~~ and 50 IU hCG, 75 IU FSH~~[[:]]~~

and 75 IU hCG, 75 IU FSH[[:]] and 100 IU hCG, 75 IU FSH[[:]] and 200 IU hCG, 75 IU FSH[[:]] and 300 IU hCG, 75 IU FSH[[:]] and 400 IU hCG, 100 IU FSH[[:]] and 1 IU hCG, 100 IU FSH[[:]] and 5 IU hCG, 100 IU FSH[[:]] and 10 IU hCG, 100 IU FSH[[:]] and 25 IU hCG, 100 IU FSH[[:]] and 50 IU hCG, 100 IU FSH[[:]] and 75 IU hCG, 100 IU FSH[[:]] and 100 IU hCG, 100 IU FSH[[:]] and 200 IU hCG, 100 IU FSH[[:]] and 300 IU hCG, 100 IU FSH[[:]] and 400 IU hCG, 150 IU FSH[[:]] and 1 IU hCG, 150 IU FSH[[:]] and 5 IU hCG, 150 IU FSH[[:]] and 10 IU hCG, 150 IU FSH[[:]] and 25 IU hCG, 150 IU FSH[[:]] and 100 IU hCG, 150 IU FSH[[:]] and 200 IU hCG, 150 IU FSH[[:]] and 300 IU hCG, 150 IU FSH[[:]] and 400 IU hCG, 200 IU FSH[[:]] and 1 IU hCG, 200 IU FSH[[:]] and 5 IU hCG, 200 IU FSH[[:]] and 10 IU hCG, 200 IU FSH[[:]] and 25 IU hCG, 200 IU FSH[[:]] and 50 IU hCG, 200 IU FSH[[:]] and 75 IU hCG, 200 IU FSH[[:]] and 100 IU hCG, 200 IU FSH[[:]] and 200 IU hCG, 200 IU FSH[[:]] and 300 IU hCG, and 200 IU FSH[[:]] and 400 IU hCG[[:]];:

(B) monitoring serum hormone levels, follicle size and follicle number[[:]]; and then

(C) inducing ovulation by administration of an hCG bolus.

22. (Withdrawn-Currently Amended) The method of claim 21, wherein the [[ratio]] amount of FSH [[to]] and hCG is selected from the group consisting of: 50 IU FSH[[:]] and 1 IU hCG, 50 IU FSH[[:]] and 5 IU hCG, 50 IU FSH[[:]] and 10 IU hCG, 50 IU FSH[[:]] and 25 IU hCG, 50 IU FSH[[:]] and 75 IU hCG, 50 IU FSH[[:]] and 100 IU hCG, 50 IU FSH[[:]] and 200 IU hCG, 50 IU FSH[[:]] and 300 IU hCG, 50 IU FSH[[:]] and 400 IU hCG, 75 IU FSH[[:]] and 1 IU hCG, 75 IU FSH[[:]] and 5 IU hCG, 75 IU FSH[[:]] and 10 IU hCG, 75 IU FSH[[:]] and 50 IU hCG, 75 IU FSH[[:]] and 100 IU hCG, 75 IU FSH[[:]] and 200 IU hCG, 75 IU FSH[[:]] and 300 IU hCG, 75 IU FSH[[:]] and 400 IU hCG, 100 IU FSH[[:]] and 1 IU hCG, 100 IU FSH[[:]] and 5 IU hCG, 100 IU FSH[[:]] and 10 IU hCG, 100 IU FSH[[:]] and 25 IU hCG, 100 IU FSH[[:]] and 50 IU hCG, 100 IU FSH[[:]] and 75 IU hCG, 100 IU FSH[[:]] and 100 IU hCG, 100 IU FSH[[:]] and 200 IU hCG, 100 IU FSH[[:]] and 300 IU hCG, 100 IU FSH[[:]] and 400 IU hCG, 150 IU FSH[[:]] and 1 IU hCG, 150 IU FSH[[:]] and 5 IU hCG, 150 IU FSH[[:]] and 10 IU hCG, 150 IU FSH[[:]] and 25 IU hCG, 150 IU FSH[[:]] and 100 IU hCG, 150 IU FSH[[:]] and 200 IU hCG, 150 IU

FSH[[:]] and 300 IU hCG, 150 IU FSH[[:]] and 400 IU hCG, 200 IU FSH[[:]] and 1 IU hCG, 200 IU FSH[[:]] and 5 IU hCG, 200 IU FSH[[:]] and 10 IU hCG, 200 IU FSH[[:]] and 25 IU hCG, 200 IU FSH[[:]] and 50 IU hCG, 200 IU FSH[[:]] and 75 IU hCG, 200 IU FSH[[:]] and 100 IU hCG, 200 IU FSH[[:]] and 200 IU hCG, 200 IU FSH[[:]] and 300 IU hCG, and 200 IU FSH[[:]] and 400 IU hCG.

23. (Withdrawn-Currently Amended) The method of claim 21, wherein the **[[ratio]]** **amount** of FSH **[[to]]** and hCG is selected from the group consisting of: 50 IU FSH[[:]] and 1 IU hCG, 50 IU FSH[[:]] and 5 IU hCG, 50 IU FSH[[:]] and 10 IU hCG, 50 IU FSH[[:]] and 25 IU hCG, 75 IU FSH[[:]] and 1 IU hCG, 75 IU FSH[[:]] and 5 IU hCG, 75 IU FSH[[:]] and 10 IU hCG, 75 IU FSH[[:]] and 50 IU hCG, 75 IU FSH[[:]] and 100 IU hCG, 100 IU FSH[[:]] and 1 IU hCG, 100 IU FSH[[:]] and 5 IU hCG, 100 IU FSH[[:]] and 10 IU hCG, 100 IU FSH[[:]] and 25 IU hCG, 100 IU FSH[[:]] and 50 IU hCG, 100 IU FSH[[:]] and 75 IU hCG, 100 IU FSH[[:]] and 100 IU hCG, 150 IU FSH[[:]] and 1 IU hCG, 150 IU FSH[[:]] and 5 IU hCG, 150 IU FSH[[:]] and 10 IU hCG, 150 IU FSH[[:]] and 25 IU hCG, 150 IU FSH[[:]] and 100 IU hCG, 150 IU FSH[[:]] and 200 IU hCG, 200 IU FSH[[:]] and 1 IU hCG, 200 IU FSH[[:]] and 5 IU hCG, 200 IU FSH[[:]] and 10 IU hCG, 200 IU FSH[[:]] and 25 IU hCG, 200 IU FSH[[:]] and 50 IU hCG, 200 IU FSH[[:]] and 75 IU hCG, 200 IU FSH[[:]] and 100 IU hCG, and 200 IU FSH[[:]] and 200 IU hCG.

24. (Withdrawn-Currently Amended) The method of claim 21, wherein the **[[ratio]]** **amount** of FSH **[[to]]** and hCG is selected from the group consisting of: 50 IU FSH[[:]] and 75 IU hCG, 50 IU FSH[[:]] and 100 IU hCG, 50 IU FSH[[:]] and 200 IU hCG, 50 IU FSH[[:]] and 300 IU hCG, 50 IU FSH[[:]] and 400 IU hCG, 75 IU FSH[[:]] and 200 IU hCG, 75 IU FSH[[:]] and 300 IU hCG, 75 IU FSH[[:]] and 400 IU hCG, 100 IU FSH[[:]] and 200 IU hCG, 100 IU FSH[[:]] and 300 IU hCG, 100 IU FSH[[:]] and 400 IU hCG, 150 IU FSH[[:]] and 300 IU hCG, 150 IU FSH[[:]] and 400 IU hCG, 200 IU FSH[[:]] and 300 IU hCG, and 200 IU FSH[[:]] and 400 IU hCG.

25. (Withdrawn-Currently Amended) The method of claim 21, wherein the **[[ratio]]** **amount** of FSH **[[to]]** and hCG is selected from the group consisting of: 50 IU FSH[[:]] and 100 IU hCG, 50 IU FSH[[:]] and 200 IU hCG, and 50 IU FSH[[:]] and 400 IU hCG.

26. (Withdrawn-Currently Amended) The method of 21, wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG is 50 IU FSH~~[[to]]~~ **and** 100 IU hCG.

27. (Withdrawn-Currently Amended) The method of claim 21, wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG is selected from the group consisting of: 100 IU FSH~~[[to]]~~ **and** 100 IU hCG, 100 IU FSH~~[[to]]~~ **and** 200 IU hCG, and 100 IU FSH~~[[to]]~~ **and** 400 IU hCG.

28. (Withdrawn-Currently Amended) The method of claim 21, wherein the **[[ratio]] amount** of FSH **[[to]] and** hCG is selected from the group consisting of: 100 IU FSH~~[[to]]~~ and 5 IU hCG, 100 IU FSH~~[[to]]~~ **and** 10 IU hCG, and 100 IU FSH~~[[to]]~~ **and** 25 IU hCG.

29. (Withdrawn-Currently Amended) The method of claim 21 wherein step (A) comprises administering in series at least two **of said** pharmaceutical compositions, **characterized by a ratio wherein the amount** of FSH **[[to]] and** hCG **in said compositions** ~~selected from said group, that~~ is either the same or **different** ~~differs with respect to said ratio.~~

30. (Withdrawn-Currently Amended) The method of claim ~~[[21]]~~ **29**, wherein each succeeding composition in said series contains hCG that is increased over the preceding composition in said series.

31. (Withdrawn-Currently Amended) The method of claim 29, wherein the period of time between **the administrations** ~~compositions~~ of the series is selected from the group consisting of: from 1 hour, 5 hours, 10 hours, 12, hours, 24 hours, ~~i day 2, days 3, days 4, days 1 day, 2 days, 3 days, 4 days,~~ 5 days, 6, days, 7, days, 8 days, 9 days, 10 days, ~~11, days, 11 days, 12, days, 13, days,~~ **11 days, 12 days, 13 days,** 14 days, and 16 days.

32. (Withdrawn-Currently Amended) The method of claim 21, **further comprising administration of** ~~wherein the composition further comprises~~ pure FSH.

33. (Withdrawn-Currently Amended) The method of claim 21, **further comprising administration of** ~~wherein the composition further comprises~~ pure hCG.

34. (Currently Amended) A product comprising a first pharmaceutical composition comprising FSH and a second pharmaceutical composition comprising hCG, ~~wherein the first and the second pharmaceutical compositions are administered together or separately during a controlled ovulatory stimulation protocol.~~
35. (Currently Amended) The product of claim ~~[[34]]~~ 36, wherein said instructions direct the sequential administration of said compositions ~~the separate administration is sequential.~~
36. (Original) The product of claim 34, further comprising instructions for using the first and second pharmaceutical compositions.
37. (Original) The product of claim 34, further comprising a means for administering the first and second pharmaceutical compositions.
38. (Currently Amended) A ~~[[use]]~~ method of treating infertility comprising administering a pharmaceutical composition comprising ~~of a~~ hCG ~~to prepare a pharmaceutical composition for use with~~ and a pharmaceutical composition comprising FSH ~~for infertility treatment.~~
39. (Cancelled)
40. (Currently Amended) The ~~[[use]]~~ method according to claim 38 ~~[[or 39]]~~ for stimulating folliculogenesis or ovulation.
41. (Currently Amended) The ~~[[use]]~~ method according to claim 40, ~~wherein the ratio comprising administering an amount~~ of FSH ~~[[to]]~~ and hCG that is conducive to folliculogenesis and follicular maturation without ovarian hyperstimulation.
42. (New) A product according to claim 34 wherein the amount of hCG in the second pharmaceutical composition is selected from 1, 2, 3, 4 or 8 μ g hCG.

43. (New) A product according to claim 34 wherein the amount of hCG in the second pharmaceutical composition is selected from 25, 50, 75, 100 or 200 IU hCG.
44. (New) A product according to claim 34 wherein the amount of hCG in the second pharmaceutical composition is between 0.04 and 16 μg .
45. (New) A product according to claim 34 wherein the amount of FSH in the first pharmaceutical composition is from about 1.0 μg to about 2,000 mg/ml.
46. (New) A product according to claim 34 wherein the amount of hCG in the second pharmaceutical composition is about 0.1 μg to about 2,000 mg/ml.
47. (New) A product according to claim 34 wherein the amount of FSH in the first pharmaceutical composition is from about 1.0 μg to about 2,000 mg/ml and the amount of hCG in the second pharmaceutical composition is about 0.1 μg to about 2,000 mg/ml.